

I.D.: 09 _____
(OFFICE USE)

APPLICATION FORM

Confidential when filled out

IMPORTANT: This application must be completed and postmarked on or before January 31, 2009 by first class or certified mail.

SUMMER VENTURES IN SCIENCE AND MATHEMATICS 2009

A statewide program of the University of North Carolina system

School _____

County _____

SECTION 1: To be completed by the student

Instructions to Student:

IMPORTANT NOTE:
Notification letters are
mailed April 3, 2009

1. Fill out your part of this application as soon as possible.
You must give the teacher who is evaluating you and your school guidance counselor sufficient time to complete their portions by the postmark deadline.
2. Before you begin, read the 2009 Summer Ventures in Science and Mathematics (SVSM) brochure that is available in your school guidance office.
3. Complete Section 1, reading the directions thoroughly and following them carefully. Be sure to answer every question. Print neatly using black ink. When you've finished, you and a custodial parent or guardian must sign at the bottom of Section 1 / Part E.
4. After you finish Section 1, take the application to a mathematics or science teacher who has taught you. The teacher and school guidance counselor will complete the form and mail it to SVSM.
5. All sections of the application must be mailed together from the school counselor's office.

SECTION 1 / PART A

Basic Information and Demographic Data

LAST NAME FIRST MIDDLE E-MAIL ADDRESS PREFERRED NAME, IF NOT FIRST

Gender*: ☐ M ☐ F Current grade: ☐ 10th ☐ 11th

Date of birth: _____ Current age*: _____

Ethnic group*:

- | | |
|--|--|
| <input type="checkbox"/> Native American
(including Alaskan native) | <input type="checkbox"/> Hispanic (Mexican, Puerto Rican,
Cuban, Central or South American,
or other Spanish origin, regardless of race) |
| <input type="checkbox"/> Asian (including Pacific Islander) | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> White (non-hispanic) | |
| <input type="checkbox"/> African-American (non-hispanic) | |

Are you currently planning to attend college? (*Information for research purposes only*) ☐ Yes ☐ No

Your mailing address: (*This is for purposes of communication with you. Give us your address.*)

POST OFFICE BOX OR COMPLETE STREET ADDRESS CITY COUNTY STATE ZIP CODE

TELEPHONE NUMBER SOCIAL SECURITY NUMBER (FOR INTERNAL IDENTIFICATION USE ONLY)

Did/will your custodial parent or guardian live in North Carolina as of December 1, 2008? ☐ Yes ☐ No

Give us this information about that custodial parent or guardian.

LAST NAME FIRST MIDDLE RELATIONSHIP TO YOU

POST OFFICE BOX OR COMPLETE STREET ADDRESS CITY COUNTY IN NC ZIP CODE

TELEPHONE NUMBER

If you do *not* live with the person above, also give us this information about an adult with whom you do live.

LAST NAME FIRST MIDDLE RELATIONSHIP TO YOU

T-shirt size (circle one)

S M L XL other _____

S.C.: _____
(OFFICE USE)

SECTION 1 / PART B

Information For Admissions Committee

The admissions committee evaluates both your academic record and your motivation to pursue science and mathematics activities beyond your classwork. Thus, it is important that you give as complete a picture as possible of your participation in such activities both prior to and during high school.

Circle all the grades you were in when you did any of the following activities:

Belonged to science club	Before 9th	9th	10th	11th
Belonged to mathematics club	Before 9th	9th	10th	11th
Belonged to computer club	Before 9th	9th	10th	11th
Entered math competition	Before 9th	9th	10th	11th
Entered science competition	Before 9th	9th	10th	11th
Entered technology competition	Before 9th	9th	10th	11th
Participated in the MSEN Pre-College Program	Before 9th	9th	10th	11th

If you circled any of the above activities beyond 8th grade, please provide amplifying information regarding **1)** the names of all competitions or clubs **2)** any awards and recognitions you received, and **3)** the titles or subjects of projects you entered in competition.

If space provided is not sufficient to adequately answer these questions, please add an attachment.

Do not abbreviate names of programs.

List other activities and independent projects, outside of regular class work, including extra curricular and sports. Include such items as hobbies that are based on problem-solving; mathematics, science, and computer projects and badges in 4-H and Scouts, attendance at science or math camps; participation in Am.H.S.MathExam and application to the North Carolina School of Science and Mathematics or to other academic science and mathematics programs. Please give full names and locations of programs, and indicate if you completed each one. Do not repeat items given above.

Describe any voluntary or paid work you have done.

Tell us what careers you are currently considering; check as many as you wish. If you have no idea at all about your career choice, mark “undecided.”

- | | | |
|---|---|---|
| <input type="checkbox"/> mathematician/actuary/statistician | <input type="checkbox"/> writing/editing/publications | <input type="checkbox"/> academic/educator |
| <input type="checkbox"/> | <input type="checkbox"/> artists/graphics | <input type="checkbox"/> service/customer support |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> clerical / sales / marketing |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> tradesman / craftsman |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> undecided |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> other |

What would you contribute to the SVSM program should you be accepted?

SECTION 1 / PART C

Placement Information

(This information will not affect student selection.)

If you are chosen to participate in Summer Ventures in Science and Mathematics, the following information will be used to assign you to a campus and a set of topics. Answer these questions with great care. Efforts will be made to place you according to your indicated preferences. However, no guarantee is made regarding placement in a particular academic program, campus site, or session date. Once made, assignments will not be changed for any reason other than serious medical problems. Participants are expected to attend the program from start to conclusion.

It is our practice to try and place students within 250 miles of their county in order to make travel more convenient.

☐ Keep travel restriction ☐ Waive travel restriction.

You will be placed in a four-week session that, depending on campus site, will start and end sometime between June 21 and July 25. It has been our experience that some young people have an opportunity for other summer experiences and are not flexible for the entire five-week period. Summer Ventures is intended for students who choose this special math/science academic opportunity and are able to forgo other summer plans to participate in SVSM. Please understand it is impossible to change campus assignments because of family travel/or other opportunities. Please mark your calendars now for June 21 to July 25, 2009. **Notifications will be mailed April 3, 2009.**

Rate your current relative interests in: (circle number)

Science				
Low Interest				High Interest
1	2	3	4	5

Mathematics				
Low Interest				High Interest
1	2	3	4	5

Computer Science/Applications				
Low Interest				High Interest
1	2	3	4	5

Current Computer Experience (check all skills that apply):

- | | |
|---|---|
| <input type="checkbox"/> Visual Basic Programming | <input type="checkbox"/> A+ Programming |
| <input type="checkbox"/> C++ Programming | <input type="checkbox"/> Software Development |
| <input type="checkbox"/> Perl/Java Programming | <input type="checkbox"/> Web Design |
| <input type="checkbox"/> Database/Spreadsheet Programming | <input type="checkbox"/> Other |

Listed below are the major topic areas in **Science** and **Mathematics** offered in SVSM. **Please indicate four topics you would be interested in studying this summer. Rank the topics in your preference order, placing a 1 beside the topic you would most like to study, a 2 beside your second choice, etc.** Efforts will be made to give you your top choice, but due to the high demand for certain courses, this cannot be guaranteed.

- | | |
|-------------------------------------|-----------------------------------|
| _____ Archaeology | _____ Advanced Topics in Algebra |
| _____ Biology Topics | _____ Advanced Topics in Geometry |
| _____ Chemistry Topics | _____ Mathematical Modeling |
| _____ Earth/Environmental Sciences | _____ Computer Science |
| _____ Engineering Applications | _____ Statistics |
| _____ Marine Sciences | _____ Problem Solving |
| _____ Medicine/Pathology/Physiology | _____ Applied Mathematics |
| _____ Physics Topics | |
| _____ Hydrology/Geology | |

SECTION 1 / PART D

Special Needs Information

In doing placement of students who are accepted, we need to take into consideration severe hearing and visual impairments, cerebral palsy, scoliosis and other crippling conditions, pulmonary disorders, severe allergies, asthma, learning disabilities, language problems, and other factors that may limit a student's activities, require special assistance or preparation at the institute site, or affect site or assignments.

1. Do you have a physical handicap that requires special attention? ☐ Yes ☐ No

If yes, please describe: _____

2. Do you have a learning disability? ☐ Yes ☐ No

If yes, please describe: _____

3. Is English a second language for you? ☐ Yes ☐ No

SECTION 1 / PART E

Releases and Signatures

- The information that has been given above by the student is true and accurate.
- We have read the Summer Ventures in Science and Mathematics (SVSM) brochure and understand that the institutes are academically rigorous and meant for students who are academically talented, actively pursuing an interest in science and mathematics, self-motivated, and able to handle the responsibility of being away from home for four weeks.
- **We understand that students cannot be guaranteed a particular academic program and that the session, site and class assignments made by the SVSM office are final and may be changed only for medical reasons. We further understand that students will not necessarily be assigned to the campus nearest their homes.**
- We understand that students may apply both to the North Carolina School of Science and Mathematics and to Summer Ventures in Science and Mathematics and that the admissions process for the two programs are completely separate. We further understand that current NCSSM students may not attend SVSM. Rising juniors who are accepted into both NCSSM and SVSM may attend both programs.
- We understand that students who are accepted to both the Governor's Schools and Summer Ventures in Science and Mathematics for 2009 will have to choose between the two programs for that summer. However, former Governor's Schools participants may attend SVSM, and vice versa.
- We understand that **former SVSM participants may not apply for a second summer.**
- We recognize that Summer Ventures in Science and Mathematics is a major investment by the state of North Carolina subject to state funding. **We understand that if the student is accepted and wishes to attend, he or she will be required to be in attendance the entire four-week period, including weekends** other than any at home weekend established by the institute director.
- We understand that although tuition, room, board, and fees are provided **free of charge** the student's family or guardian must assume responsibility for a medical examination and any necessary immunizations for the student prior to enrollment, transportation to and from the site, pocket money for the student's incidental personal expenses, and payment for any medical expenses incurred by the student during the institute. **(Families for whom these pose a severe financial hardship should request financial assistance from SVSM through the guidance counselor of the student's home school at the time of application. Limited funds are available for grants-in-aid.)**
- If the student is accepted to Summer Ventures in Science and Mathematics, we agree to adhere to its rules and regulations concerning students' responsibilities in the academic and the residential life programs. We understand that the director of each site has the right to dismiss any student whose behavior is not consistent with the goals and standards of SVSM.
- We agree to let information in this application and other records resulting from the student applying to and attending SVSM be used by the Summer Ventures in Science and Mathematics program in approved research and be made available on a confidential basis to the student's home school and other educational institutions. If the student is accepted, we agree that this application may be given to appropriate SVSM personnel as a source of information about the student.
- We agree that the student, if accepted into Summer Ventures in Science and Mathematics, will participate in the completion of questionnaires and other appropriate and approved research projects done as part of the program's evaluation. We also agree that photographs of the student taken during the program, papers written by the student during the program, and similar items may be used by SVSM in reports and public information materials. We further agree to allow SVSM to release for educational purposes photographs and video recordings, with or without audio, of SVSM activities and projects involving the student.
- We agree: **1)** that so-called directory information about the student, including student's name and address, school, year in school, and parents' names and address may be released at the discretion of the SVSM administrative staff to other educational programs that would like to send brochures and application forms to SVSM applicants and **2)** that, if the student is accepted to SVSM, this information may be used in press releases, student directories, and similar publications.
- We request that all school records and data in support of the student's application to Summer Ventures in Science and Mathematics be made available to SVSM officials, and we agree that the home school may release a copy of the student's current academic transcript for review by the SVSM Admissions Committee.
- We understand that since admissions materials are not covered under the Buckley Amendment (Family Rights and Privacy Act), **all materials obtained by SVSM as part of the admissions process are confidential and are not available for review by the applicant and parents or guardian.**

*Both signatures are required
for the application to be accepted.*

STUDENT'S SIGNATURE

DATE

CUSTODIAL PARENT/GUARDIAN'S SIGNATURE

DATE

Instructions to Teacher:**SECTION 2: To be completed by mathematics or science teacher who has taught the student**

Thank you for agreeing to fill out this evaluation. Please keep the application intact and pass it on to your school's guidance counselor after you have completed Section 2. The Summer Ventures in Science and Mathematics (SVSM) office cannot accept applications that are submitted in separate pieces.

SVSM is a highly competitive program, and we need the help of the state's mathematics and science teachers to assure that students who can best benefit from the program are the ones who are invited. Before you fill out this evaluation, please take a minute to read through a 2009 Summer Ventures in Science and Mathematics brochure. If you did not receive one of these directly, you can get one from your school's guidance office.

SVSM will not make your evaluation available to the student, parents, or guardian for review. If you do not feel comfortable about making this evaluation on your own, feel free to consult with other teachers and the school's guidance staff.

These points are important to keep in mind in doing this evaluation:

1. Summer Ventures in Science and Mathematics is **designed specifically for academically talented students who are actively pursuing an interest in science and mathematics.** Participants do not need to be formally identified AG students, but they should be of **high intellectual ability.**
2. **This program has been designed for students who are already strongly self-motivated and academically disciplined.** Some students may not be fulfilling their high academic potential because they may not be truly interested in academic success or may lack self-discipline. It is unlikely that such students will be able to cope with the academic demands of SVSM. However, consideration will be given to students who are academically talented but whose grades or standardized test scores do not reflect this accurately for reasons unrelated to motivation. Some examples are students with hearing impairments, cerebral palsy, or learning disabilities; students for whom English is a second language; students whose education has been disrupted by moving or family problems; and students who have not had good educational opportunities.
3. SVSM students will live for four weeks on campuses of the host institutions. Although they will have residential advisors, for the sake of the students themselves it is essential that only those who are able to handle the responsibility of being away from their parents' or guardians' supervision for four weeks be recommended for the program.
4. As its name implies, this program concentrates on science and mathematics. It is designed so that students are deeply involved in both of these topics for many hours each day. **Students who do well in science and mathematics but whose main interests are in other fields, or who only like one of the two areas, may be quite unhappy in this program.**

*Taking all factors into account,
please give us your best evaluation
of this student.*

Use the scale provided to rate the student in the following areas. In rating the student please compare the applicant with other students you have taught who had strong interest and talent in science and mathematics. If you have not had sufficient experience with the student in a particular area, circle 0.

To what degree is the student:	low				high	unfamiliar
Strongly interested in science and mathematics?	1	2	3	4	5	0
Committed to spending four weeks in intensive study of these subjects?	1	2	3	4	5	0
Academically suited for a four-week intensive program in science and mathematics?	1	2	3	4	5	0
Ready to handle the responsibility of attending a four-week residential program away from home?	1	2	3	4	5	0

*Please supplement the above
evaluation with a separate
written statement.*

Comment below on any responses of 1 or 5 that you have circled above. Any other comments on why you feel this student is qualified to attend a four-week intensive program in science and mathematics are also requested.

Course(s) in which you taught student: _____

☐ **Check here only if applicable:** This student is academically self-motivated and disciplined but has not maintained an academic record that reflects his/her abilities because of the following factor(s) (see paragraph 2 above):

TEACHER'S NAME (PLEASE PRINT)

TEACHER'S SIGNATURE

DATE

**Instructions to
Guidance Counselor:**
SECTION 3: To be completed by the school guidance counselor

Thank you for providing us with the following information about the student. Please verify that the student and parent have signed the information release at the bottom of Section 1 / Part E and that a science or mathematics teacher has completed Section 2. Please provide all information requested for Parts A, B and D.

The student and parents or guardian have been informed that the admissions materials, including the teacher's evaluation, will not be available for their review. Please handle this application confidentially.

SECTION 3 / PART A

Please attach the transcript.

Academic Information
Cumulative grade point averages:

Unweighted GPA: required

Weighted GPA: optional

Please use the cumulative GPA beginning with 9th grade through the most recent grading period.

Course Grades:

Please list student's science, mathematics and computer science or computer applications courses from 9th grade to the present. Include courses the student is taking this year. * Please give **letter** grades.

* FOR EXAMPLE:

Earth Science, B+

	9th Grade Course and Letter Grade	10th Grade Course and Letter Grade	11th Grade Course and Letter Grade
Science			
Science			
Mathematics			
Mathematics			
Computer			
Computer			
English			
English			

To the best of your knowledge, has the student been placed on academic or personal suspension or expelled from any school?

☐ Yes ☐ No

If yes, please explain: _____

Standardized Test:

Provide information about the most recent standardized test taken by the student:

Test Type: ☐ PSAT ☐ SAT ☐ Other please specify

Critical Reading _____ Critical Reading _____ Test Year _____

Writing _____ Writing _____

Math _____ Math _____

Selection Index _____ Test Year _____

Test Year _____

Results of North Carolina End-of-Course Testing:

	Algebra I	Algebra II	Geometry	Biology	Chemistry	Physical Science	Physics	English I
Year Taken								
Percentile								
Scale								
Composite								

SECTION 3 / PART B**Financial Need Information**

Summer Ventures in Science and Mathematics (SVSM) is a free program; room, board, tuition, and fees are provided free of charge. Families are expected to assume responsibility for a medical examination prior to the student's enrollment, transportation to and from the site, pocket money for incidentals, and medical charges incurred during the program. Limited funds are available for grants-in-aid to help cover these expenses for families with severe financial hardships. Families have been asked to request financial assistance through the student's guidance counselor. (see page 4).

Grant-in-aid has been requested by student's family ☐ Yes ☐ No

If yes, please give information about the student's financial situation:

Special Needs Information

Please confirm and respond to Student's remarks regarding Special Needs on page 4, Section 1/Part D:

SECTION 3 / PART C**Application Checklist**

Each year numerous applications are received with incomplete information. Listed below are the items most frequently omitted from an application. Please take a few moments to see that the information listed below is on the application.

Page 1	___ Date of Birth
	___ Social Security Number
Page 2	___ Career Choice
Page 3	___ Choice of Science and Mathematics Topics
Page 4	___ Physical Handicap and Type Indication
	___ Learning Disability Indication
	___ English as a Second Language Indication
	___ Student's Signature
	___ Custodial Parent/Guardian's Signature
Page 5	___ Teacher's Signature
Page 6	___ Cumulative Grade Point Average (unweighted is required)
	___ Courses and Letter Grades (including this year)
	___ Standardized Test Scores, Form and Year Taken
	___ NC End-of-Course Testing Results
Page 7	___ Financial Aid Indication and Justification
Transcript	___ Transcript is attached

SECTION 3 / PART D**School Information**

 FULL SCHOOL NAME

 POST OFFICE BOX OR COMPLETE STREET ADDRESS

 CITY

 COUNTY

 STATE

 ZIP CODE

 GUIDANCE DEPARTMENT TELEPHONE NUMBER

 COUNSELOR'S E-MAIL ADDRESS

 COUNSELOR'S NAME (PLEASE PRINT)

 COUNSELOR'S SIGNATURE

 DATE

Please attach a copy of student transcript.

When this form is completed, mail to:

Summer Ventures in
Science and Mathematics
P.O. Box 2976
Durham, North Carolina 27715

Please make sure that all three sections are together. **All applications must be completed and postmarked on or before January 31, 2009. Applications postmarked after this date will be returned.** Many thanks!

***EQUAL OPPORTUNITY INFORMATION**

State government policy prohibits discrimination based on race, sex, color, creed, national origin, age, or handicap. The sole purpose of gathering this information is to ascertain the effectiveness of recruitment efforts in reaching all segments of the population and to ensure that proper facilities are available to serve all students selected for admission.

SUMMER VENTURES IN SCIENCE AND MATHEMATICS
P.O. Box 2976
Durham, North Carolina 27715
<http://www.summerventures.org>

State Coordinator's Office
(919) 416-2876
jacksonk@ncssm.edu

Participating Institutions:

Appalachian State University
East Carolina University
North Carolina Central University
University of North Carolina at Charlotte
University of North Carolina at Wilmington
Western Carolina University